

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1653HXP

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JUL 20 Powerful new interactive analysis and visualization software,
STN AnaVist, now available
NEWS 4 AUG 11 STN AnaVist workshops to be held in North America
NEWS 5 AUG 30 CA/Capplus -Increased access to 19th century research documents
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 8 OCT 03 MATHDI removed from STN
NEWS 9 OCT 04 CA/Capplus-Canadian Intellectual Property Office (CIPO) added
to core patent offices
NEWS 10 OCT 06 STN AnaVist workshops to be held in North America
NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 12 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download
of Capplus documents for use in third-party analysis and
visualization tools
NEWS 13 OCT 27 Free KWIC format extended in full-text databases
NEWS 14 OCT 27 DIOGENES content streamlined
NEWS 15 OCT 27 EPFULL enhanced with additional content

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:13:31 ON 28 OCT 2005

=> file medline, uspatful, dgene, embase, wpids, fsta, jicst, wpids, biosis,
scisearch

COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 18:14:06 ON 28 OCT 2005

FILE 'USPATFULL' ENTERED AT 18:14:06 ON 28 OCT 2005

CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'DGENE' ENTERED AT 18:14:06 ON 28 OCT 2005

COPYRIGHT (C) 2005 THE THOMSON CORPORATION

FILE 'EMBASE' ENTERED AT 18:14:06 ON 28 OCT 2005

Copyright (c) 2005 Elsevier B.V. All rights reserved.

FILE 'WPIDS' ENTERED AT 18:14:06 ON 28 OCT 2005

COPYRIGHT (C) 2005 THE THOMSON CORPORATION

FILE 'FSTA' ENTERED AT 18:14:06 ON 28 OCT 2005

COPYRIGHT (C) 2005 International Food Information Service

FILE 'JICST-EPLUS' ENTERED AT 18:14:06 ON 28 OCT 2005

COPYRIGHT (C) 2005 Japan Science and Technology Agency (JST)

FILE 'BIOSIS' ENTERED AT 18:14:06 ON 28 OCT 2005

Copyright (c) 2005 The Thomson Corporation

FILE 'SCISEARCH' ENTERED AT 18:14:06 ON 28 OCT 2005

Copyright (c) 2005 The Thomson Corporation

=> s (recrystallization inhibition assay)

L1 7 (RECRYSTALLIZATION INHIBITION ASSAY)

=> d l1 ti abs ibib tot

L1 ANSWER 1 OF 7 USPATFULL on STN

TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

AB Thermal hysteresis proteins and their nucleotide sequences derived from the Tenebrionoidea Superfamily which lower the freezing point of a solution without effecting the melting point. Related methods for preparing said proteins and for providing antifreeze or recrystallization inhibition properties to a subject formulation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:240509 USPATFULL

TITLE: Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

INVENTOR(S): Horwath, Kathleen L., Endwell, NY, UNITED STATES
Easton, Christopher M., Ithaca, NY, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2005208509 | A1 | 20050922 |
| APPLICATION INFO.: | US 2004-917030 | A1 | 20040812 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2001-876796, filed on 7 Jun 2001, PENDING | | |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2000-210446P | 20000608 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | MARK LEVY & ASSOCIATES, PLLC, PRESS BUILDING, SUITE 902, 19 CHENANGO STREET, BINGHAMTON, NY, 13901, US | |

NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 131 Drawing Page(s)
LINE COUNT: 9928
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 2 OF 7 USPATFULL on STN
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
AB Thermal hysteresis proteins and their nucleotide sequences derived from the Tenebrionoidea Superfamily which lower the freezing point of a solution without effecting the melting point. Related methods for preparing said proteins and for providing antifreeze or recrystallization inhibition properties to a subject formulation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:173249 USPATFULL
TITLE: Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
INVENTOR(S): Horwath, Kathleen L., Endwell, NY, UNITED STATES
Easton, Christopher M., Ithaca, NY, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2005150000 | A1 | 20050707 |
| APPLICATION INFO.: | US 2004-916986 | A1 | 20040812 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2001-876796, filed on 7 Jun 2001, PENDING | | |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2000-210446P | 20000608 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | MARK LEVY & ASSOCIATES, PLLC, PRESS BUILDING, SUITE 902, 19 CHENANGO STREET, BINGHAMTON, NY, 13901, US | |
| NUMBER OF CLAIMS: | 3 | |
| EXEMPLARY CLAIM: | 1-38 | |
| NUMBER OF DRAWINGS: | 131 Drawing Page(s) | |
| LINE COUNT: | 9857 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 3 OF 7 USPATFULL on STN
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
AB Thermal hysteresis proteins and their nucleotide sequences derived from the Tenebrionoidea Superfamily which lower the freezing point of a solution without effecting the melting point. Related methods for preparing said proteins and for providing antifreeze or recrystallization inhibition properties to a subject formulation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:307900 USPATFULL
TITLE: Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
INVENTOR(S): Horwath, Kathleen L., Endwell, NY, UNITED STATES
Easton, Christopher M., Ithaca, NY, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2002173024 | A1 | 20021121 |
| APPLICATION INFO.: | US 2001-876796 | A1 | 20010607 (9) |

| | NUMBER | DATE |
|--|--|---------------|
| | ----- | ----- |
| PRIORITY INFORMATION: | US 2000-210446P | 20000608 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | Mark Levy, SALZMAN & LEVY, Ste. 902, 19 Chenango St., Binghamton, NY, 13901 | |
| NUMBER OF CLAIMS: | 40 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 131 Drawing Page(s) | |
| LINE COUNT: | 10082 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L1 ANSWER 4 OF 7 USPATFULL on STN

TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

AB A recrystallization inhibition method for determining the presence, relative concentration, and/or activity of thermal hysteresis proteins comprising: providing a proteinaceous composition in a solvent to form a test solution; flash freezing said solution; raising the temperature of the frozen solution to an appropriate annealing temperature that allows for a partial melt, while limiting heterogeneity in ice grain sizes within said solution; maintaining said frozen solution at the annealing temperature for a length of time sufficient to allow for recrystallization; monitoring the ice crystal grain size changes over time; and determining the presence of functional thermal hysteresis proteins in said solution given the retention of significantly smaller ice crystal grain sizes relative to at least one control solution.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:307828 USPATFULL

TITLE: Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

INVENTOR(S): Horwath, Kathleen L., Endwell, NY, UNITED STATES
Meyers, Kevin L., Trumansburg, NY, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|-------|--------------|
| | ----- | ----- | ----- |
| PATENT INFORMATION: | US 2002172951 | A1 | 20021121 |
| APPLICATION INFO.: | US 2001-876348 | A1 | 20010607 (9) |

| | NUMBER | DATE |
|--|--|---------------|
| | ----- | ----- |
| PRIORITY INFORMATION: | US 2000-210446P | 20000608 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | Mark Levy, SALZMAN & LEVY, Ste. 902, 19 Chenango St., Binghamton, NY, 13901 | |
| NUMBER OF CLAIMS: | 34 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 131 Drawing Page(s) | |
| LINE COUNT: | 10121 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L1 ANSWER 5 OF 7 USPATFULL on STN

TI Ice crystal growth suppression polypeptides and method of making

AB Novel methods of improving freezing tolerance of organic materials through the use of antifreeze polypeptides is provided. These polypeptides increase the storage life of foodstuffs and biologics, as well as protect plant products, such as during growth. The antifreeze polypeptides, or their fusion proteins, may be produced chemically or by recombinant DNA techniques, and then purified for a variety of uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 92:44933 USPATFULL
TITLE: Ice crystal growth suppression polypeptides and method of making
INVENTOR(S): Warren, Gareth J., San Francisco, CA, United States
Mueller, Gunhild M., San Francisco, CA, United States
McKown, Robert L., Albany, CA, United States
PATENT ASSIGNEE(S): DNA Plant Technology Corporation, Oakland, CA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5118792 | | 19920602 |
| APPLICATION INFO.: | US 1989-350481 | | 19890510 (7) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Robinson, Douglas W. | | |
| ASSISTANT EXAMINER: | Weber, Jon P. | | |
| LEGAL REPRESENTATIVE: | Townsend and Townsend | | |
| NUMBER OF CLAIMS: | 7 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 30 Drawing Figure(s); 29 Drawing Page(s) | | |
| LINE COUNT: | 1850 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 6 OF 7 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

TI New plant anti-freeze protein useful in frozen food products.

AN 1999-458697 [38] WPIDS

AB WO 9937782 A UPAB: 19990922

NOVELTY - A plant anti-freeze protein characterized in that at least 40% of its amino acids are from the group of serine, threonine and asparagine, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) a nucleic acid sequence capable of encoding the anti-freeze protein as above;

(2) a frozen food product comprising the anti-freeze protein;

(3) a method of obtaining an anti-freeze protein as above, where the protein is produced by a genetically modified organism; and

(4) a plant, capable of expressing the anti-freeze protein and having an increased frost tolerance.

ACTIVITY - None Given.

MECHANISM OF ACTION - None Given.

USE - The anti-freeze protein can be used in frozen food products, especially frozen confectionery (claimed). Anti-freeze proteins are especially used in food products, which are heated, e.g. by pasteurization, blanching or sterilization prior to freezing. Plants transformed with a nucleic acid sequence encoding the anti-freeze protein have an increased frost tolerance (claimed).

ADVANTAGE - Prior art anti-freeze proteins have not been applied to commercially available food products, due to high costs and complicated process for obtaining the protein. Also prior art anti-freeze proteins have tended to destabilize during processing especially during the pasteurization step. This is overcome by the present anti-freeze protein. The anti-freeze proteins provide an ice particle size following an ice **recrystallization inhibition assay** of 15 μ M or less. The anti-freeze protein ingredient means that mixes can be frozen under quiescent conditions, e.g. in a shop or home freezer without the formation of unacceptable ice crystal shapes and hence with a texture different to products normally obtained via quiescent freezing.

Dwg. 0/0

ACCESSION NUMBER: 1999-458697 [38] WPIDS

DOC. NO. NON-CPI: N1999-343101

DOC. NO. CPI: C1999-134718
 TITLE: New plant anti-freeze protein useful in frozen food products.
 DERWENT CLASS: B04 C06 D13 D16 P13
 INVENTOR(S): JARMAN, C D; SIDEBOTTOM, C M; TWIGG, S; WORRALL, D
 PATENT ASSIGNEE(S): (UNIL) UNILEVER PLC; (JARM-I) JARMAN C D; (UNIL) UNILEVER NV; (GOOD-N) GOOD HUMOR-BREYERS ICE CREAM DIV CONOPCO
 COUNTRY COUNT: 85
 PATENT INFORMATION:

| PATENT NO | KIND | DATE | WEEK | LA | PG |
|---|------|----------|-----------|----|----|
| WO 9937782 | A2 | 19990729 | (199938)* | EN | 39 |
| RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL | | | | | |
| OA PT SD SE SZ UG ZW | | | | | |
| W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD | | | | | |
| GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV | | | | | |
| MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT | | | | | |
| UA UG US UZ VN YU ZW | | | | | |
| AU 9924188 | A | 19990809 | (200001) | | |
| BR 9814776 | A | 20001024 | (200058) | | |
| EP 1049783 | A2 | 20001108 | (200062) | EN | |
| R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE | | | | | |
| CZ 2000002696 | A3 | 20001213 | (200103) | | |
| SK 2000001095 | A3 | 20010212 | (200112) | | |
| CN 1290300 | A | 20010404 | (200140) | | |
| HU 2001001252 | A2 | 20010828 | (200157) | | |
| MX 2000007100 | A1 | 20010301 | (200170) | | |
| JP 2002504316 | W | 20020212 | (200215) | | 39 |
| AU 747087 | B | 20020509 | (200238) | | |
| IL 137256 | A | 20040104 | (200411) | | |
| US 6852841 | B1 | 20050208 | (200511) | | |
| EP 1049783 | B1 | 20051019 | (200569) | EN | |
| R: AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE | | | | | |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|---------------|------|----------------|----------|
| WO 9937782 | A2 | WO 1998-EP8553 | 19981223 |
| AU 9924188 | A | AU 1999-24188 | 19981223 |
| BR 9814776 | A | BR 1998-14776 | 19981223 |
| | | WO 1998-EP8553 | 19981223 |
| EP 1049783 | A2 | EP 1998-966702 | 19981223 |
| | | WO 1998-EP8553 | 19981223 |
| CZ 2000002696 | A3 | WO 1998-EP8553 | 19981223 |
| | | CZ 2000-2696 | 19981223 |
| SK 2000001095 | A3 | WO 1998-EP8553 | 19981223 |
| | | SK 2000-1095 | 19981223 |
| CN 1290300 | A | CN 1998-813922 | 19981223 |
| HU 2001001252 | A2 | WO 1998-EP8553 | 19981223 |
| | | HU 2001-1252 | 19981223 |
| MX 2000007100 | A1 | MX 2000-7100 | 20000720 |
| JP 2002504316 | W | WO 1998-EP8553 | 19981223 |
| | | JP 2000-528689 | 19981223 |
| AU 747087 | B | AU 1999-24188 | 19981223 |
| IL 137256 | A | IL 1998-137256 | 19981223 |
| US 6852841 | B1 | WO 1998-EP8553 | 19981223 |
| | | US 2000-600787 | 20001124 |
| EP 1049783 | B1 | EP 1998-966702 | 19981223 |
| | | WO 1998-EP8553 | 19981223 |

FILING DETAILS:

| PATENT NO | KIND | PATENT NO |
|---------------|------------------------------|--------------------------|
| AU 9924188 | A Based on | WO 9937782 |
| BR 9814776 | A Based on | WO 9937782 |
| EP 1049783 | A2 Based on | WO 9937782 |
| CZ 2000002696 | A3 Based on | WO 9937782 |
| HU 2001001252 | A2 Based on | WO 9937782 |
| JP 2002504316 | W Based on | WO 9937782 |
| AU 747087 | B Previous Publ. Based on | AU 9924188 WO 9937782 |
| IL 137256 | A Based on | WO 9937782 |
| US 6852841 | B1 Based on | WO 9937782 |
| EP 1049783 | B1 Based on | WO 9937782 |

PRIORITY APPLN. INFO: GB 1998-1408 19980122

L1 ANSWER 7 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI A facile method for determining ice recrystallization inhibition by
 antifreeze proteins.
 AB Ice recrystallization, the growth of large ice crystals at the expense of
 small ones, stresses freeze tolerant organisms and causes spoilage of
 frozen foods. This process is inhibited by antifreeze proteins (AFPs).
 Here, we present a simple method for determining the ice recrystallization
 inhibition (RI) activity of an AFP under physiological conditions using 10
 mul glass capillaries. Serial dilutions were prepared to determine the
 concentration below which RI activity was no longer detected, termed the
 RI endpoint. For type III AFP this was 200 nM. The capillary method
 allows samples to be aligned and viewed simultaneously, which facilitates
 RI endpoint determination. Once prepared, the samples can be used
 reproducibly in subsequent RI assays and can be archived in a freezer for
 future reference. This method was used to detect the elution of type III
 AFP from a Sephadex G-75 size-exclusion column. RI activity was found at
 the expected V_e for a 7 kDa protein and also unexpectedly in the void
 volume.

ACCESSION NUMBER: 2004:64469 BIOSIS
 DOCUMENT NUMBER: PREV200400065777
 TITLE: A facile method for determining ice recrystallization
 inhibition by antifreeze proteins.
 AUTHOR(S): Tomczak, Melanie M.; Marshall, Christopher B.; Gilbert,
 Jack A.; Davies, Peter L. [Reprint Author]
 CORPORATE SOURCE: Department of Biochemistry and Protein Engineering Network
 of Centres of Excellence, Queens University, Kingston, ON,
 K7L 3N6, Canada
 daviesp@post.queensu.ca
 SOURCE: Biochemical and Biophysical Research Communications,
 (November 28 2003) Vol. 311, No. 4, pp. 1041-1046. print.
 CODEN: BBRCA9. ISSN: 0006-291X.
 DOCUMENT TYPE: Article
 LANGUAGE: English
 ENTRY DATE: Entered STN: 28 Jan 2004
 Last Updated on STN: 28 Jan 2004

Refine Search

Search Results -

| Terms | Documents |
|-----------|-----------|
| L8 and L7 | 13 |

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L9

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Friday, October 28, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=PGPB,USPT; PLUR=YES; OP=OR

| | | | |
|-----------|---------------------------------------|--------|-----------|
| <u>L9</u> | L8 and l7 | 13 | <u>L9</u> |
| <u>L8</u> | horwath.in. | 81 | <u>L8</u> |
| <u>L7</u> | L6 and (ice crystal grain size index) | 262287 | <u>L7</u> |
| <u>L6</u> | L5 and thermal hysteresis protein | 330939 | <u>L6</u> |
| <u>L5</u> | l2 and PBS | 67413 | <u>L5</u> |
| <u>L4</u> | L3 and (annealing temperature) | 1 | <u>L4</u> |
| <u>L3</u> | 20020172951 | 1 | <u>L3</u> |

DB=USPT; PLUR=YES; OP=OR

| | | | |
|-----------|--------------------------------------|---------|-----------|
| <u>L2</u> | L1 and annealing temperature | 1332686 | <u>L2</u> |
| <u>L1</u> | (recrystallization inhibition assay) | 215347 | <u>L1</u> |

END OF SEARCH HISTORY

Hit List

[First Hit](#) [Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

Search Results - Record(s) 1 through 10 of 13 returned.

☐ 1. Document ID: US 20050208509 A1

Using default format because multiple data bases are involved.

L9: Entry 1 of 13

File: PGPB

Sep 22, 2005

PGPUB-DOCUMENT-NUMBER: 20050208509

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050208509 A1

TITLE: Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

PUBLICATION-DATE: September 22, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------------------|---------|-------|---------|
| <u>Horwath</u> , Kathleen L. | Endwell | NY | US |
| Easton, Christopher M. | Ithaca | NY | US |

US-CL-CURRENT: 435/6; 435/252.3, 435/320.1, 435/69.1, 530/350, 530/388.4, 536/23.2

| | | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|---------------------|---------------------------|---------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw Desc | Ima |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|---------------------|---------------------------|---------------------|

☐ 2. Document ID: US 20050150000 A1

L9: Entry 2 of 13

File: PGPB

Jul 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050150000

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050150000 A1

TITLE: Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

PUBLICATION-DATE: July 7, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------------------|---------|-------|---------|
| <u>Horwath</u> , Kathleen L. | Endwell | NY | US |
| Easton, Christopher M. | Ithaca | NY | US |

US-CL-CURRENT: 800/20; 252/70, 435/320.1, 435/325, 435/69.1, 530/350, 530/388.1, 536/23.5

| | | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|---------------------|---------------------------|---------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw Desc | Ima |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|---------------------|---------------------------|---------------------|

☐ 3. Document ID: US 20020173024 A1

L9: Entry 3 of 13

File: PGPB

Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020173024
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020173024 A1

TITLE: Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

PUBLICATION-DATE: November 21, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------------------|---------|-------|---------|
| <u>Horwath</u> , Kathleen L. | Endwell | NY | US |
| Easton, Christopher M. | Ithaca | NY | US |

US-CL-CURRENT: 435/199; 435/252.3, 435/320.1, 435/6, 435/69.1, 536/23.1

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|-----------|-----|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|-----------|-----|

☐ 4. Document ID: US 20020172951 A1

L9: Entry 4 of 13

File: PGPB

Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020172951
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020172951 A1

TITLE: Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

PUBLICATION-DATE: November 21, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------------------|-------------|-------|---------|
| <u>Horwath</u> , Kathleen L. | Endwell | NY | US |
| Meyers, Kevin L. | Trumansburg | NY | US |

US-CL-CURRENT: 435/6

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|-----------|-----|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|-----------|-----|

☐ 5. Document ID: US 4605619 A

L9: Entry 5 of 13

File: USPT

Aug 12, 1986

US-PAT-NO: 4605619
DOCUMENT-IDENTIFIER: US 4605619 A

TITLE: Process for preparing fructose from starch

DATE-ISSUED: August 12, 1986

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------|----------|-------|----------|---------|
| <u>Horwath</u> ; Robert O. | Westport | CT | | |
| Irbe; Robert M. | Norwalk | CT | | |

US-CL-CURRENT: 435/94; 435/203, 435/205, 435/234, 435/911

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FIGS | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|

☐ 6. Document ID: US 4492755 A

L9: Entry 6 of 13

File: USPT

Jan 8, 1985

US-PAT-NO: 4492755

DOCUMENT-IDENTIFIER: US 4492755 A

TITLE: Process for isomerizing L-mannose to L-fructose

DATE-ISSUED: January 8, 1985

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------|----------|-------|----------|---------|
| <u>Horwath</u> ; Robert O. | Westport | CT | | |
| Colonna; William J. | Wilton | CT | | |

US-CL-CURRENT: 435/94; 435/233, 435/448, 435/849, 435/852, 435/857

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FIGS | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|

☐ 7. Document ID: US 4467033 A

L9: Entry 7 of 13

File: USPT

Aug 21, 1984

US-PAT-NO: 4467033

DOCUMENT-IDENTIFIER: US 4467033 A

TITLE: Process for oxidizing L-sorbitol to L-fructose

DATE-ISSUED: August 21, 1984

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------|----------|-------|----------|---------|
| <u>Horwath</u> ; Robert O. | Westport | CT | | |
| Colonna; William J. | Wilton | CT | | |

US-CL-CURRENT: 435/105; 435/190, 435/448

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FIGS | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|

☐ 8. Document ID: US 4458017 A

L9: Entry 8 of 13

File: USPT

Jul 3, 1984

US-PAT-NO: 4458017

DOCUMENT-IDENTIFIER: US 4458017 A

TITLE: Process for preparing fructose from starch

DATE-ISSUED: July 3, 1984

INVENTOR-INFORMATION:

US-CL-CURRENT: 435/94; 435/234, 435/911, 435/96, 435/99

☐ 9. Document ID: US 4456622 A

Jun 26, 1984

**** See image for Certificate of Correction ****

DATE-ISSUED: June 26, 1984

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Maselli; John A. | Wilton | CT | | |
| Horwath; Robert O. | Westport | CT | | |

US-CL-CURRENT: 426/17; 435/140

☐ 10. Document ID: US 4447531 A

May 8, 1984

DATE-ISSUED: May 8, 1984

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------|----------|-------|----------|---------|
| <u>Horwath</u> ; Robert O. | Westport | CT | | |
| Irbe; Robert M. | Norwalk | CT | | |

US-CL-CURRENT: 435/94; 435/234, 435/911

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

| Terms | Documents |
|-----------|-----------|
| L8 and L7 | 13 |

Display Format: - **Change Format**

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

Hit List

[First Hit](#) [Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

Search Results - Record(s) 11 through 13 of 13 returned.

☐ 11. Document ID: US 4442207 A

Using default format because multiple data bases are involved.

L9: Entry 11 of 13

File: USPT

Apr 10, 1984

US-PAT-NO: 4442207

DOCUMENT-IDENTIFIER: US 4442207 A

TITLE: Process for production of glucosone

DATE-ISSUED: April 10, 1984

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------|------------|-------|----------|---------|
| <u>Horwath</u> ; Robert O. | Westport | CT | | |
| Ibrahim; Osama O. | Brookfield | CT | | |

US-CL-CURRENT: 435/105; 435/190, 435/911

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | NUMC | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|

☐ 12. Document ID: US 4431733 A

L9: Entry 12 of 13

File: USPT

Feb 14, 1984

US-PAT-NO: 4431733

DOCUMENT-IDENTIFIER: US 4431733 A

TITLE: Process for preparing fructose from liquefied starch

DATE-ISSUED: February 14, 1984

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------|----------|-------|----------|---------|
| <u>Horwath</u> ; Robert O. | Westport | CT | | |
| Irbe; Robert M. | Norwalk | CT | | |

US-CL-CURRENT: 435/94; 435/234, 435/911, 435/96

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | NUMC | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-----|

☐ 13. Document ID: US 4410627 A

L9: Entry 13 of 13

File: USPT

Oct 18, 1983

US-PAT-NO: 4410627

DOCUMENT-IDENTIFIER: US 4410627 A

TITLE: Glucose isomerase process

DATE-ISSUED: October 18, 1983

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------|----------|-------|----------|---------|
| Lloyd; Norman E. | Clinton | IA | | |
| <u>Horwath</u> ; Robert O. | Westport | CT | | |

US-CL-CURRENT: 435/94

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|-----------|-----|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw Desc | Ima |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|-----------|-----|

| | | | | | |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

| | |
|-----------|-----------|
| Terms | Documents |
| L8 and L7 | 13 |

Display Format:

Previous Page Next Page Go to Doc#